

## *syngo* MammoReport

**SP**

### RIS Configuration

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English

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This chapter describes the configuration of MedBroker Screening RIS Connector for *syngo* MammoReport VB11.

## General

The national Norwegian Screening RIS MedBroker is controlled by the *syngo* MammoReport connector: every time a patient is opened for reviewing on the high resolution monitors (e.g. by a View Now on a patient, or by a case change in the current work list), certain information is sent over to the RIS, so that the same patient is opened on the RIS.

The information between *syngo* MammoReport MedBroker connector and RIS is unidirectional, i.e. information (accession number) is sent from the SCR system to the RIS, no information according to patients is sent from the RIS to SCR system.

## Prerequisites

### Network

The hospital network administrator has to be contacted to check that the network communication is opened for the required data exchange.

### RIS Computer

The RIS administrator has to make the following settings:

- RIS computer with **MedOutlook** and **MedBroker Service** running is required
- **End point name** must be set in MedOutlook: **RIS** (as default)
- MedBroker Service must be configured with **open port 1801** to receive the information from *syngo* MammoReport system
- The RIS computer must be **reachable via TCP/IP** from *syngo* MammoReport system

### *syngo* MammoReport System

The configuration of the MedBroker RIS Connector is carried out with the following parts of the *syngo* MammoReport system:

- Configuration files (.ini) in the folder C:\MBCSCR
- Licensing in SCR Service
- Settings in SCR Administration
- Network Nodes in syngo Local Service

## Configuration

### RISConMedBroker.ini

The RISConMedBroker.ini file defines the settings that are necessary for activating the MedBroker RIS connector.

1. Start the system and log in as syngo administrator.
2. Open the folder C:\MBCSCR in Windows Explorer.
3. In RISConMedBroker.ini, check that the entries are as described below:

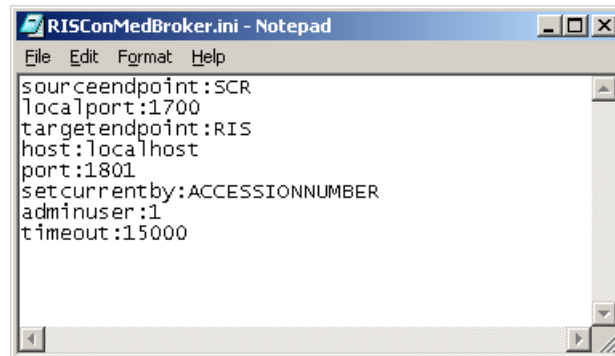


Fig. 1 RISConMedBroker.ini

### Lightbox.ini

The lightbox.ini contains the entry for activating the MedBroker RIS Connector, but it is deactivated out by default.

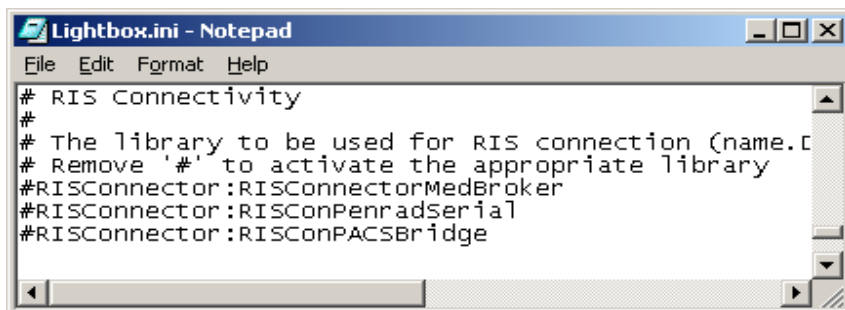


Fig. 2 Lightbox.ini: RISConnector

1. **Deactivate** the line: RISConnector:RISConnectorMedBroker.
2. **Save** the file and **exit** Notepad.

## SCR License

The MedBroker Screening RIS Connector is a license protected feature of *syngo* MammomReport system. To enter the license follow the steps:

1. Open from syngo PatientBrowser ⇒ Options ⇒ SCR Service ⇒ Licensing.

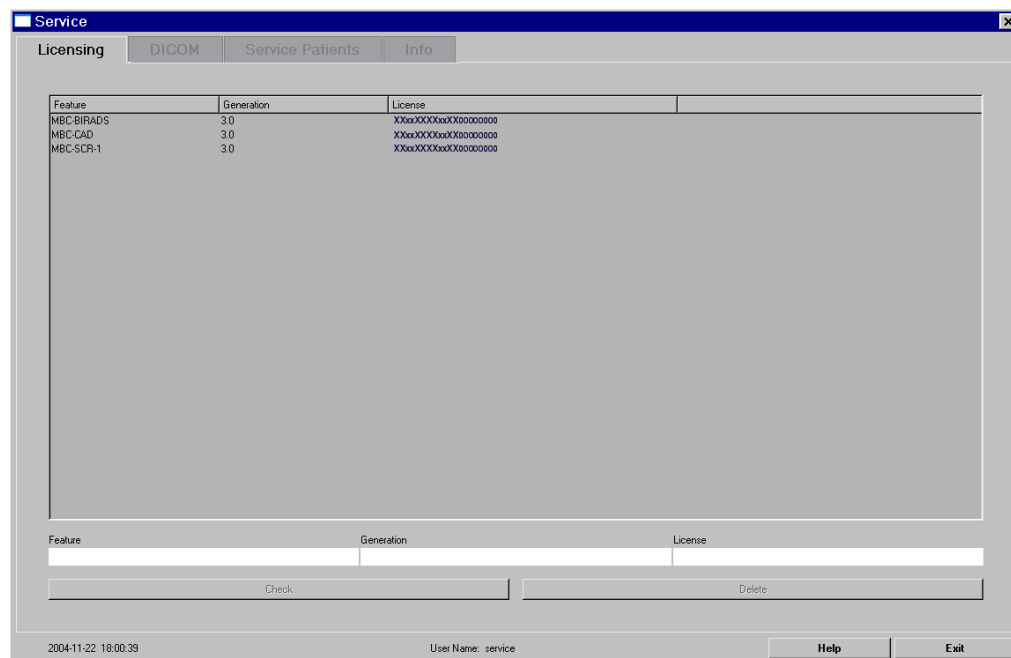


Fig. 3 SCR Service Licensing

2. Enter Feature: **MBC-RIS**, Generation: **3.0**, License: <license key>
3. Click **Check**.
4. Click **Exit** - the entries are saved.
5. **Restart application** via the End Session dialog.
6. RIS error message may appear after log in (or user change) and it will reappear as long as the connection does not work correctly.

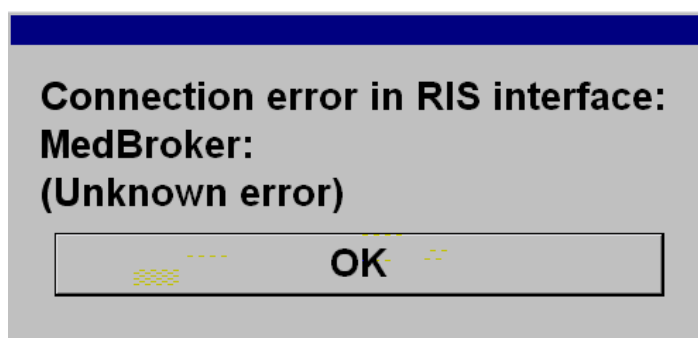


Fig. 4 RIS Error

7. Click **OK** when the error message is displayed.

### NOTE

**Connection error message will reappear with log in or user change in case network connection does not work correctly.**

## Settings in SCR Administration

The MedBroker RIS Connector must be configured in SCR Administration:

1. Open from syngo PatientBrowser ⇒ Options ⇒ SCR Administration ⇒ Settings.

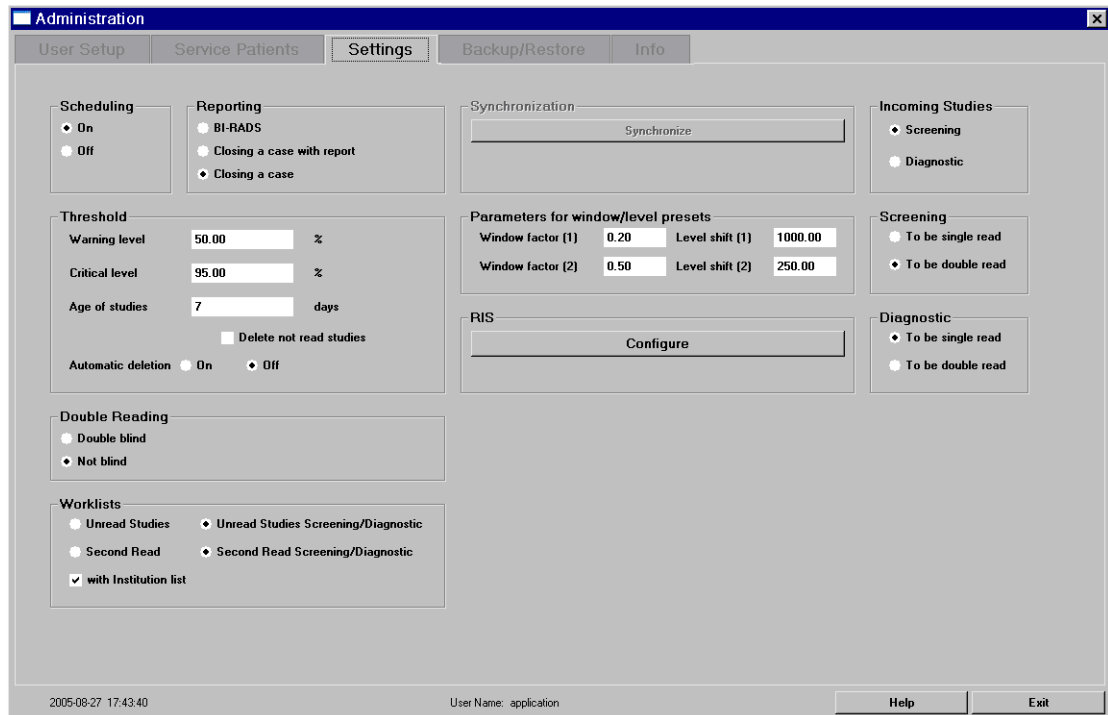


Fig. 5 SCR Administration Settings

2. Click **Configure**.

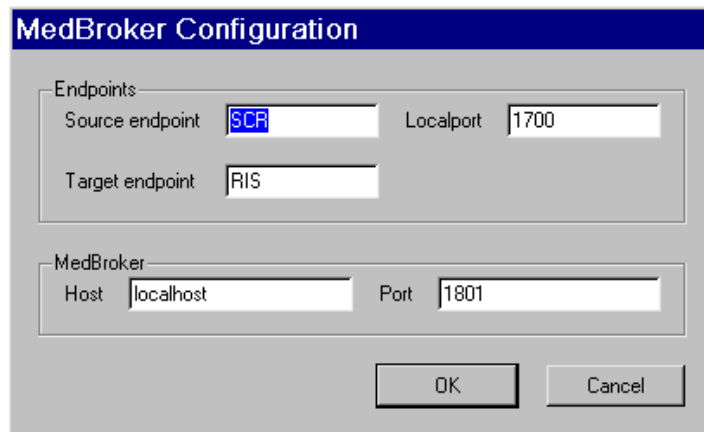


Fig. 6 MedBroker Configuration

3. In the **Target endpoint text field**, enter the endpoint name configured in RIS MedOutlook.
4. In the **MedBroker Host** text field, enter the IP address of the RIS computer which should be connected.
5. Check that all other entries are as shown in MedBroker Configuration.
6. Click **OK** to save the entries and **exit** SCR Administration.



## Configuring the Network Node in syngo Local Service

The RIS Computer must be configured in syngo by defining the new **Host** and new **Logical Name**:

1. Open in syngo Local Service ⇒ Configuration ⇒ DICOM ⇒ Network Nodes

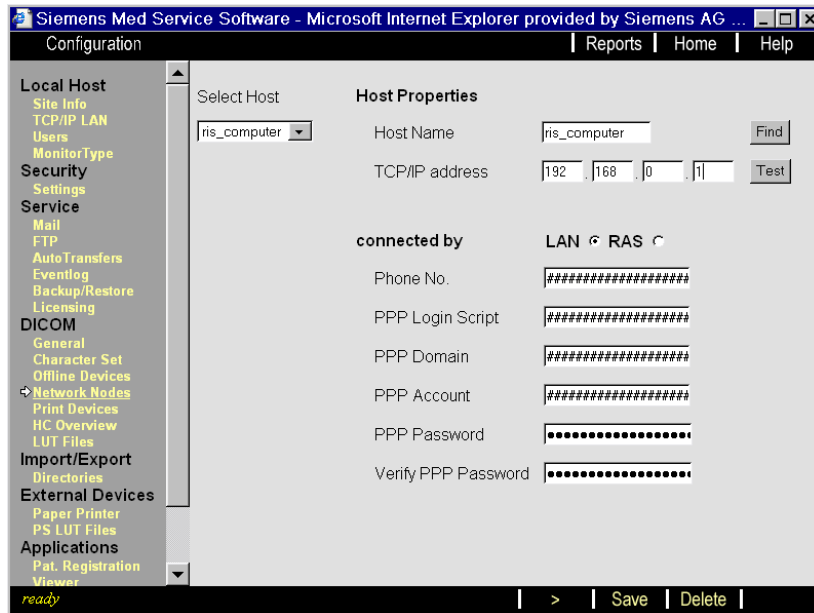


Fig. 7 Defining a new Host Name for the RIS Computer

2. Select **Define new** and enter <**station / computer name**> and **TCP/IP address** from the RIS computer (here as place holder: ris\_computer).
3. Click **Test**.
4. If this was successful, a message appears: Host is alive. Click on **OK**.

**NOTE**

If the test was not successful, check that the RIS computer is reachable via TCP/IP.

5. Click on **Save** and **OK** when a message is displayed that this was successful.

6. Click on > to reach the next window - wait for completion of query node list:

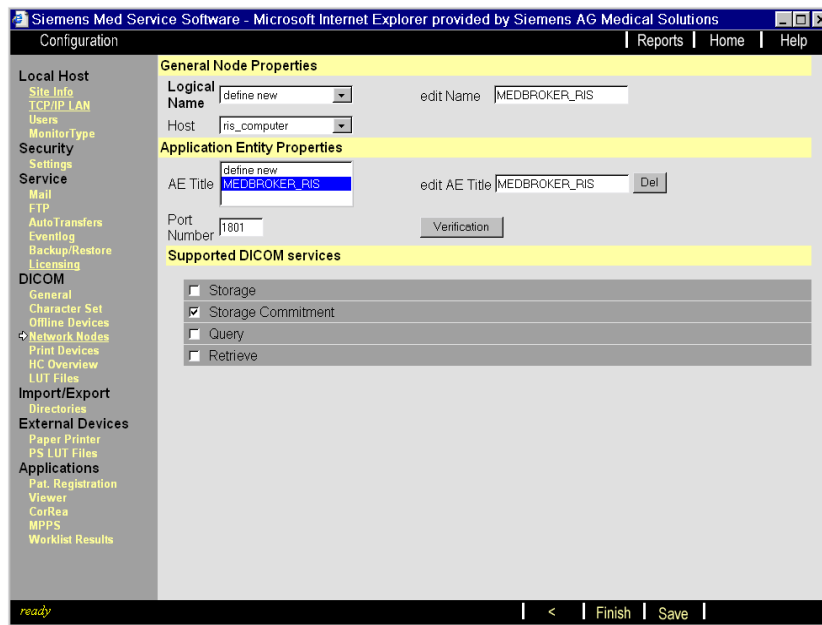


Fig. 8 Defining new Logical Name, AET, Port for RIS Computer

7. Select as host the RIS computer just configured.
8. Enter the new Logical Name in **edit Name**, e.g. MEDBROKER\_<COMPUTER NAME>.
9. Enter the new AETitle in **edit AETitle**, e.g. MEDBROKER\_<COMPUTER NAME>.
10. In **Port Number**, enter: **1801**.

#### NOTE

**The Port Number for the RIS Computer must be 1801.**

11. Select **Storage Commitment** as the supported DICOM service.
12. Click on **Add** and then **Save**.
13. Click **OK** when a message is displayed that this was successful.
14. Click **Home** - wait until the report creation is completed.
15. If **System restart** is required click **OK**.
16. If only an **Application restart** is required click **Cancel** and **Restart** the system via the End Session dialog.

## Checking the MedBroker RIS Connector

ViewNow a case with accession number and on the RIS computer, check that this patient is selected in MedOutlook.

This chapter describes the configuration of the Serial Port RIS Connector for *syngo* MammoReport VB11.

## General

The RIS is controlled by the *syngo* MammoReport connector: every time a patient is opened for reviewing on the high resolution monitors (e.g. by a ViewNow on a patient, or by a case change in the current work list), certain information is sent over to the RIS, so that the same patient is opened on the RIS.

The information between *syngo* MammoReport Serial Port connector and RIS is unidirectional, i.e. information (patient ID, accession number) is sent from the SCR system to the RIS, no information according to patients is sent from the RIS to SCR system.

## Prerequisites

### RIS Computer

The setup for the RIS computer is to be carried out by the RIS administrator.

- The RIS computer must be configured to receive the information from *syngo* MammoReport system. The default settings for data connection shall be:
  - 4800 baud
  - Non-parity
  - 8 data bits
  - 1 stop bit
- The RIS computer must be connected via **COM port** and **Null-Modem cable** to *syngo* MammoReport system.

#### NOTE

**There must be a free COM port on the RIS computer to use the Serial Port RIS Connector.**

### *syngo* MammoReport System

The configuration of the Serial Port RIS connector is carried out with the following parts of the *syngo* MammoReport system:

- COM port
- Configuration files (\*.ini) in the folder C:\MBCSCR.
- Licensing in SCR Service.
- Settings in SCR Administration.

#### NOTE

**Check if any application (e.g. SMFitAct) uses a connection to the serial port on the *syngo* MammoReport system.**

**If this is the case delete the application from Windows autostart.**

#### NOTE

**Planar Calibration Software Cxtra requires a serial port during the consistency check. Therefore the RIS Connection via the serial port is not possible while the consistency check is running.**

## Configuration

### RISConPenradSerial.ini

The RISConPenradSerial.ini file defines the settings that are necessary for activating the Serial Port RIS connector.

1. Start the system and log in as syngo administrator.
2. Open the folder C:\MBCSCR in the Windows Explorer.
3. In the RISConPenradSerial.ini, check that the entries are as described below:

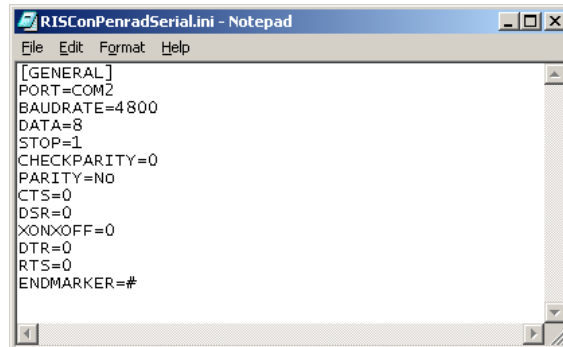


Fig. 1 RISConPenradSerial.ini

### Lightbox.ini

The lightbox.ini contains the entry for activating the Serial port RIS Connector, but it is deactivated per default.

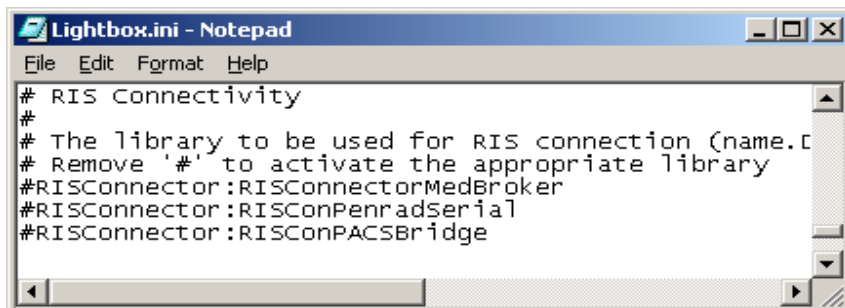


Fig. 2 Lightbox.ini: RISConnector

1. **Deactivate** the line: RISConnector:RISConPenradSerial.
2. **Save** the file and **Exit** Notepad.

## SCR License

The Serial Port RIS Connector is a license protected feature of the *syngo* MammoReport system. To enter the license follow the steps:

1. Open syngo PatientBrowser ⇒ Options ⇒ SCR Service ⇒ Licensing.

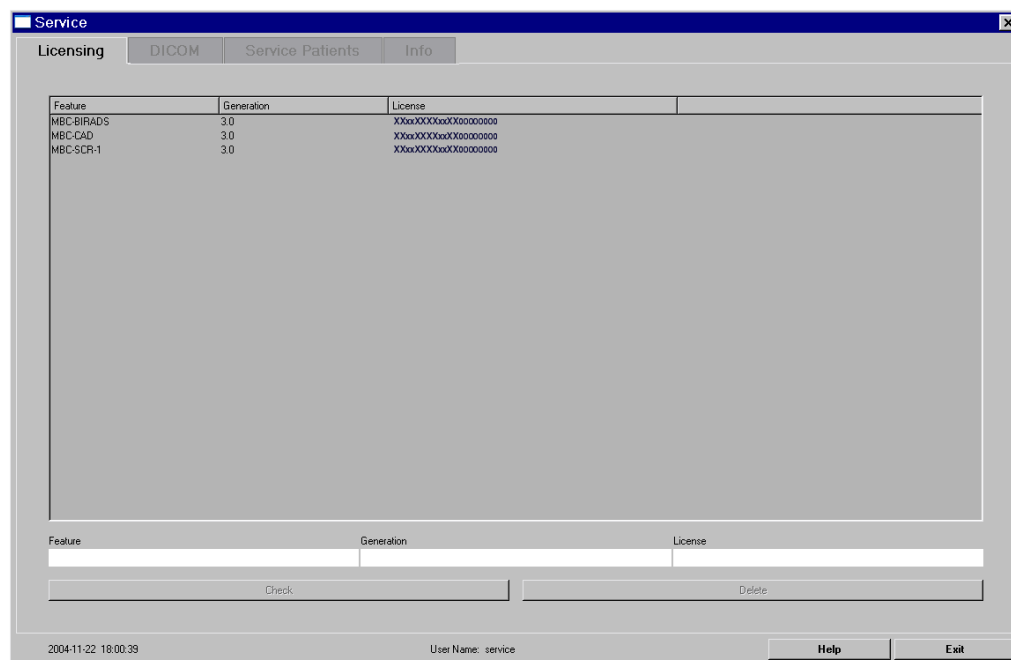


Fig. 3 SCR Service Licensing

2. Enter Feature: **MBC-RIS**, Generation: **3.0**, License: <license key>
3. Click **Check**.
4. Click **Exit** - the entries are saved.
5. **Restart application** via the End Session dialog.

## Settings in SCR Administration

The Serial Port RIS Connector must be configured in SCR Administration:

1. Open syngo PatientBrowser ⇒ Options ⇒ SCR Administration ⇒ Settings.

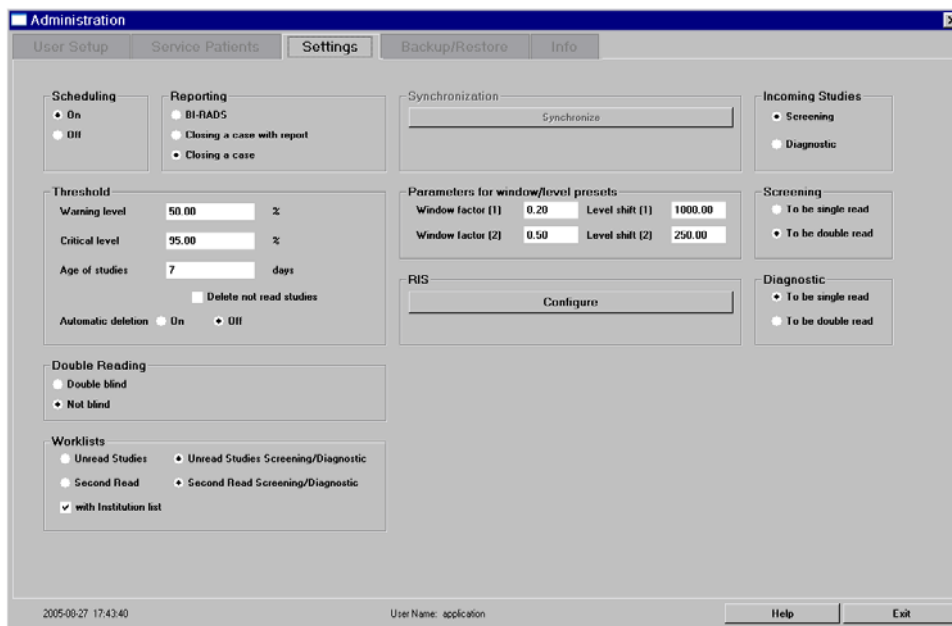


Fig. 4 SCR Administration Settings

2. Click **Configure**.

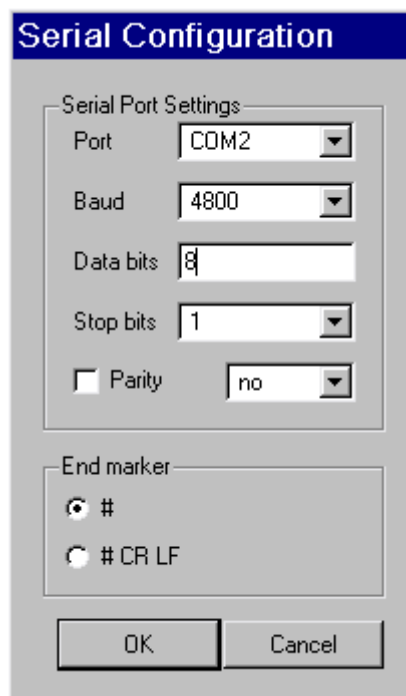


Fig. 5 Serial Port Configuration

3. Select the **COM Port** which is used for the Null-Modem cable and select **4800 Baud**.
4. Check that all other entries are as shown in the Serial Port Configuration.

5. Click **OK** to save the entries and **exit** SCR Administration.

## Checking the Serial Port RIS connector

ViewNow a case with patient ID and accession number and on the Penrad computer, check that this patient is selected.

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This chapter describes the configuration of the PACSBridge RIS Connector for *syngo* MammoReport VB11.

## General

The RIS is controlled by the *syngo* MammoReport connector: every time a patient is opened for reviewing on the high resolution monitors (e.g. by a ViewNow on a patient, or by a case change in the current work list), certain information is sent over to the RIS, so that the same patient is opened on the RIS.

The information between *syngo* MammoReport PACSBridge connector and RIS is unidirectional, i.e. information (patient ID, accession number) is sent from the SCR system to the RIS, no information according to patients is sent from the RIS to SCR system.

## Prerequisites

### Network

The hospital network administrator has to be contacted to check that the network communication is opened for the required data exchange.

### RIS Computer

The setup for the RIS computer must be carried out by the RIS administrator:

- The following services must be running on the RIS computer:
  - AsiRecog Server
  - HSG-FileOutputClient: PowerScribe
  - HSG-HL7 Client: PowerScribe
  - HSG-HL7 Server: PowerScribe
- The RIS computer must be reachable via TCP/IP from the *syngo* MammoReport system.

### *syngo* MammoReport System

The configuration of the PACSBridge RIS connector is done with the following parts of the *syngo* MammoReport system:

- Configuration files (.ini) in the folder C:\MBCSCR
- Licensing in the SCR Service
- Settings in SCR Administration
- Network Nodes in the *syngo* Local Service

## Configuration

### RISConPACSBridge.ini

The RISConPACSBridge.ini file defines the settings that are necessary for activating the PACSBridge RIS connector.

1. Start the system and log in as syngo administrator.
2. Open the folder C:\MBCSCR in Windows Explorer
3. In RISConPACSBridge.ini, check that the entries are as described below:

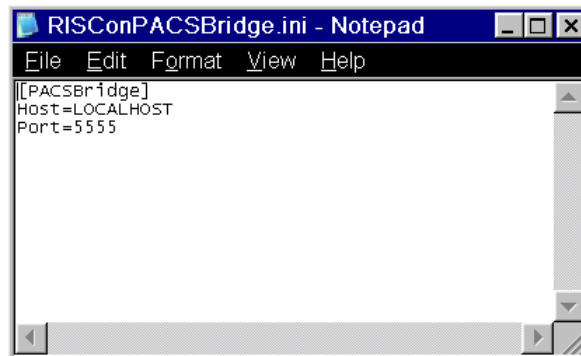


Fig. 1 RISConPACSBridge.ini

### Lightbox.ini

The lightbox.ini contains the entry for activating the PACSBridge RIS Connector, but it is deactivated by default.

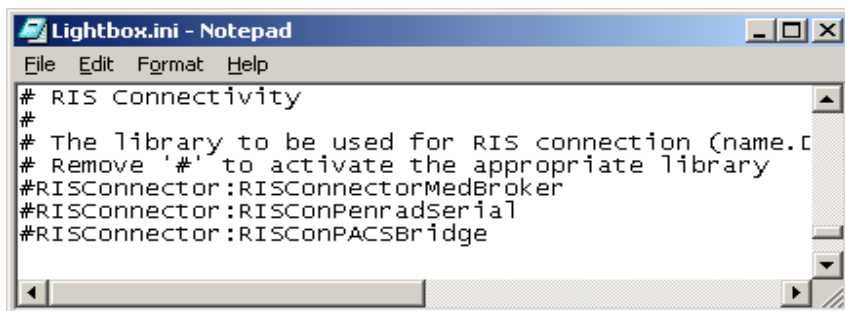


Fig. 2 Lightbox.ini: RISConnector

1. **Deactivate** the line: RISConnector:RISConPACSBridge.
2. **Save** the file and **exit** Notepad.

## SCR License

The PACSBridge RIS Connector is a license protected feature of the *syngo* MammoReport system. To enter the license follow the steps:

1. Open syngo PatientBrowser ⇒ Options ⇒ SCR Service ⇒ Licensing.

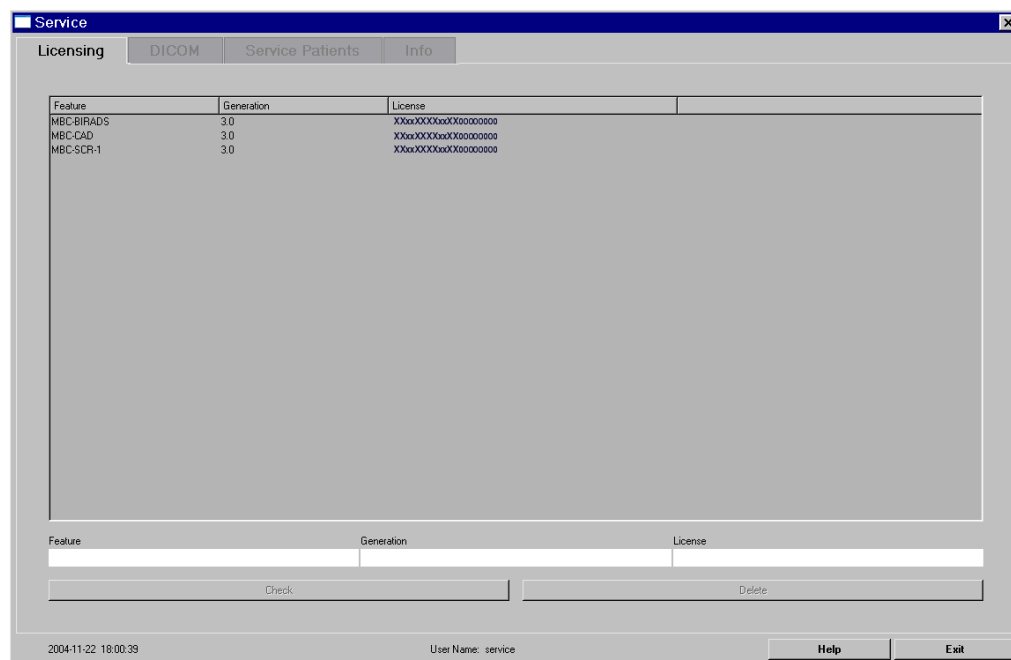


Fig. 3 SCR Service Licensing

2. Enter Feature: **MBC-RIS**, Generation: **3.0**, License: <license key>
3. Click **Check**.
4. Click **Exit** - the entries are saved.
5. **Restart application** via the End Session dialog.
6. The RIS error message may appear after log in (or user change) and it will reappear as long as the connection does not work correctly.

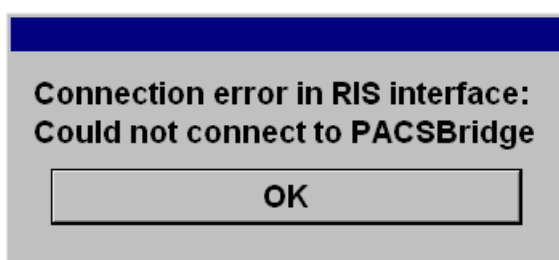


Fig. 4 RIS Error

7. Click **OK** when the error message is displayed.

### NOTE

The connection error message will reappear with log in or user change in case the network connection does not work correctly.

## Settings in SCR Administration

The PACSBridge RIS Connector must be configured in SCR Administration:

1. Open syngo PatientBrowser ⇒ Options ⇒ SCR Administration ⇒ Settings.

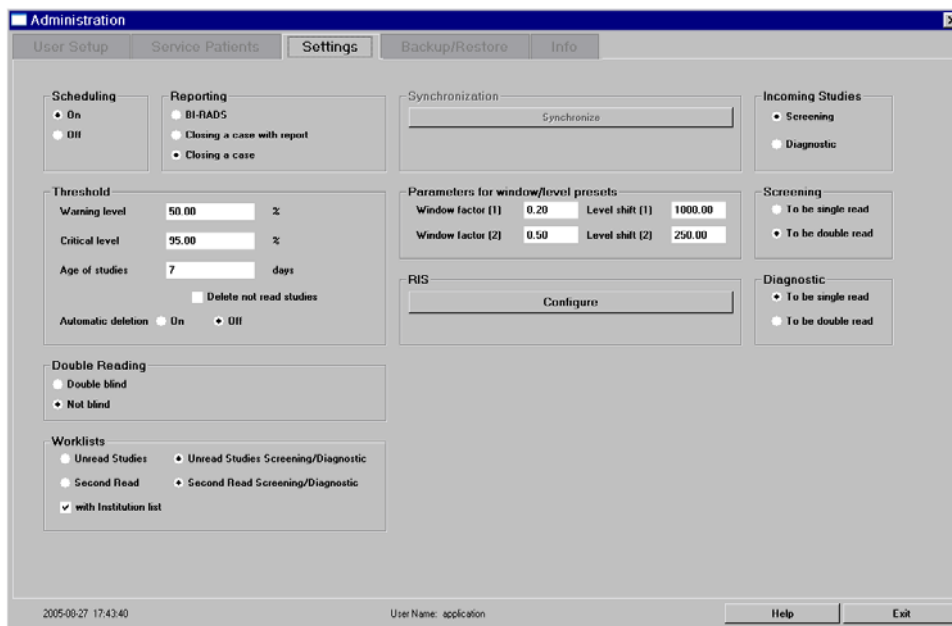


Fig. 5 SCR Administration Settings

2. Click **Configure**

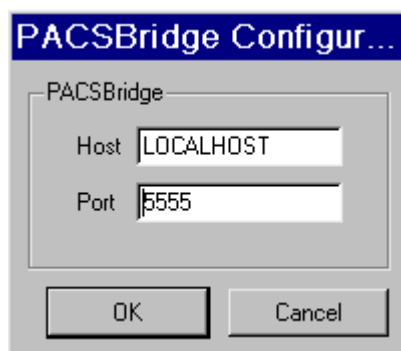


Fig. 6 PACSBridge Configuration

3. Enter the IP address from the RIS computer in the **PACSBridge Host** text field.
4. Default **Port** 5555 should work, but may be changed if necessary.
5. Click **OK** to save the entries and exit SCR Administration.

## Configuring the Network Node in syngo Local Service

The RIS Computer must be configured in syngo by defining the new **Host** and the new **Logical Name**:

1. Open syngo Local Service ⇒ Configuration ⇒ DICOM ⇒ Network Nodes

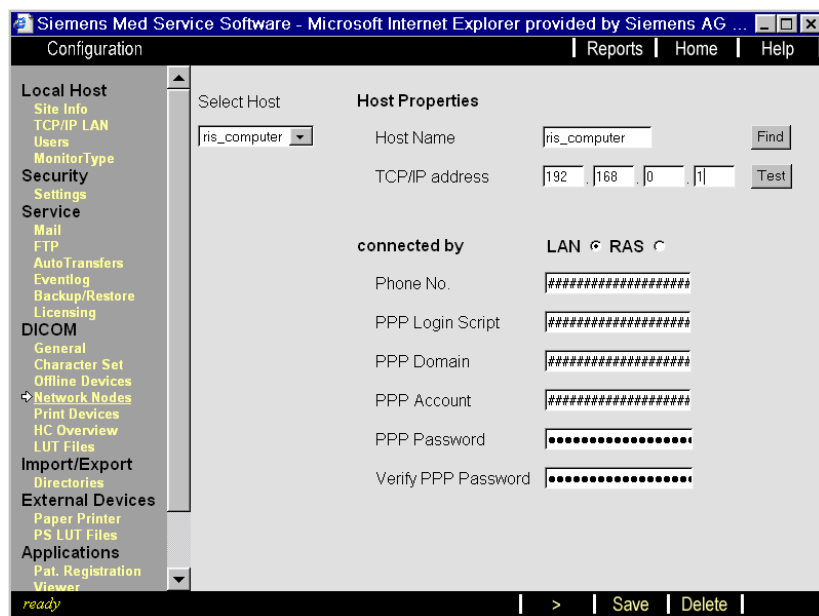


Fig. 7 Defining new Host Name for RIS Computer

2. Select **Define new** and enter <station / computer name> and **TCP/IP address** from the RIS computer (here as place holder: ris\_computer).
3. Click **Test**.
4. If this was successful the following message is displayed: Host is alive. Click on **OK**.

### NOTE

If the test was not successful, check that the RIS computer is reachable via TCP/IP.

5. Click on **Save** and **OK** when the message is displayed that this was successful.

6. Click on > to reach the next window - wait until the query node list is completed:

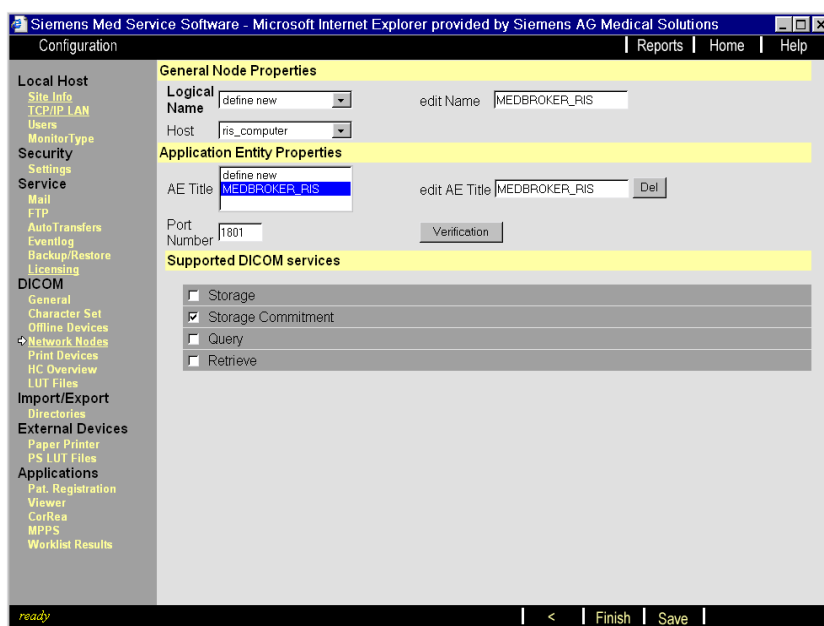


Fig. 8 Defining new Logical Name, AET, Port for RIS Computer

7. Select as host the RIS computer just configured.
8. Enter the new Logical Name in **edit Name**, e.g. PACSBRIDGE\_<COMPUTER NAME>.
9. Enter the new AETitle in **edit AETitle**, e.g. PACSBRIDGE\_<COMPUTER NAME>.
10. Enter **Port Number: 5555** in case of default setting (or enter the corresponding value entered in SCR Administration - see PACSBridge Configuration).

#### NOTE

**The Port Number for the RIS computer must be the same as the one used in the SCR configuration dialog.**

11. Select **Storage Commitment** as the supported DICOM service.
12. Click on **Add** and then **Save**.
13. Click **OK** if a message is displayed that this was successful.
14. Click on **Home** - wait until the report creation is completed.
15. If **System Restart** is required, click on **OK**.
16. If only an **Application restart** is required click on **Cancel** and **Restart** the system via the End Session dialog.

## Checking the PACSBridge RIS Connector

ViewNow a case with patient ID and accession number and on the RIS computer, check that this patient is selected.